

SHIP: CARRIER STRIKE GROUP 4 (CNRMC 9577)

SPECIFICATION NUMBER: SERM-002-17

ERRATA NUMBER: One

THIS PERMANENT CHANGE UPDATES THE SPECIFICATION BID PACKAGE.

THE FOLLOWING ITEMS ARE REPLACED:

261-11-001

SHIP:	<u>CARRIER STRIKE GROUP 4 (CNRMC 9577)</u>	ITEM NO:	<u>261-11-001</u>
COAR:	<u>26</u>	PCN:	<u>NS02-L99K</u>
CSWT FILE NO:	<u>261-002</u>	CMP:	<u>NONE</u>
REVISED:	<u>16 Dec 2015</u>	PLANNER:	<u>KRIMMER, DAVID</u> <u>DUBOIS, DANIEL</u>

1. SCOPE:

1.1 Title: Fuel System Piping; replace

1.2 Location of Work:

1.2.1 Forward Machinery Space, Flat, Frames 10-16, Centerline

1.2.2 Passage Way, Flat, Frames 16-58, Centerline

1.3 Identification:

1.3.1 Quantity (~~50-100~~ LF), Piping and Associated Fittings, 3/4 Inch IPS, Fuel Supply For Bow Thruster Engine (Caterpillar 3406), From and Including Valve at Frame 57 Up To and Including Valve at Frame 10 (E1)

1.3.2 Quantity (~~50-100~~ LF), Piping and Associated Fittings, ~~3/8-3/4~~ 3/4 Inch IPS, Fuel Return From Bow Thruster Engine (Caterpillar 3406), From and Including Valve at Frame 57 Up To and Including Valve at Frame 10, To Include Check Valve (Item VC-3/8" of 2.2) at Frame 13 (E1)

1.3.3 Quantity (2 EA), Flexible Hose, ~~3/8-3/4~~ 3/4 Inch, Length: 12 Inches, Mfr.: Aeroquip, Mfr. Part No.: 1509-6 With 4722-6-65 Fitting on Each End, Item No.: HA-3/8" ~~HA-3/4"~~ of 2.2 (E1)

2. REFERENCES:

2.1 Standard Items

2.2 180 X 38 X 13, Supply Vessel, Sheet P-12

2.3 S6430-AE-TED-010, Technical Directive Piping Devices, Flexible Hose Assemblies

2.4 S9086-RK-STM-010/CH-505, Piping Systems

3. REQUIREMENTS:

3.1 Remove existing and install new piping listed in 1.3.1 and 1.3.2 and located in 1.2.1 and 1.2.2, using 2.2 for guidance, as designated by the SUPERVISOR.

3.1.1 Template exact size, configuration, and location from existing shipboard conditions.

3.1.2 Accomplish the requirements of 009-12 of 2.1, including Table One, Column A, Lines One through 10.

3.1.3 Accomplish the requirements of 009-71 of 2.1 for the new and disturbed fuel oil service piping using clean, dry air or nitrogen at 50 PSIG.

3.2 Remove existing and install new each flexible hose assembly listed in 1.3.3 and located in 1.2.1, in accordance with 2.3, using 2.2 for guidance.

3.2.1 Reuse existing flexible hose end fittings where found acceptable after inspection in accordance with Section 6, Paragraph

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6.2 of 2.3.

(V) (G) "HYDROSTATIC TEST"

3.2.2 Accomplish the requirements of Section 8 of 2.2 for each flexible hose assembly. Allowable leakage or deformation: None.

3.2.2.1 Accomplish the requirements of Paragraphs 505-11.1.3.2 through 505-11.1.3.4.2 of 2.4.

3.2.3 Flush and treat each flexible hose assembly following testing in accordance with Chapter 8, Paragraphs 8.3 and 8.4.

3.2.4 Fabricate and install (One EA) CRES identification tag on each new flexible hose assembly in accordance with Chapter 8, Paragraph 8.5 of 2.3.

3.2.5 Install each new flexible hose assembly in accordance with Chapter 9 of 2.3.

3.3 Accomplish the requirements of 009-107 of 2.1 for fuel oil service system piping, from each Fuel Oil Day Tank up to Flexible Hose Connection for each Main Propulsion Diesel Engine and each Ships Service Diesel Generator, using 2.2 as guidance.

3.3.1 Accomplish the requirements of 009-09 of 2.1 for cleaning, flushing and acceptance criteria of fuel service piping.

3.3.2 Ensure General Cleaning shall be Level II.

(V) (G) "OPERATIONAL TEST"

3.4 Accomplish an operational and tightness test of new and disturbed piping systems, and inspect for leaks, proper operation, and unobstructed flow. Allowable leakage: None.

3.5 Accomplish the requirements of 009-32 of 2.1 for the new and disturbed surfaces.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.